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Sequence Listing could not be accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=11; day=17; hr=11; min=46; sec=19; ms=510;]

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Reviewer Comments:

<210> 15

<211> 188

<212> PRT

<213> Mus

<400> 15

Numeric identifier <213> can only be one of three choices, "Scientific name, i.e. Genus/species, Unknown or Artificial Sequence." For all sequences using "Unknown or Artificial sequence", for numeric identifier <213>, a mandatory feature is required to explain the source of the genetic material. The feature consists of <220>, which remains blank, and <223>, which states the source of the genetic material. To explain the source, if the sequence is put together from several organisms, please list those organisms. If the sequence is made in the laboratory, please indicate that the sequence is synthesized. Please make all necessary changes.

Application No: 10588417 Version No: 1.0

Input Set:**Output Set:**

Started: 2008-10-22 11:43:01.891
Finished: 2008-10-22 11:43:04.218
Elapsed: 0 hr(s) 0 min(s) 2 sec(s) 327 ms
Total Warnings: 22
Total Errors: 0
No. of SeqIDs Defined: 32
Actual SeqID Count: 32

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (7)
W 213	Artificial or Unknown found in <213> in SEQ ID (8)
W 213	Artificial or Unknown found in <213> in SEQ ID (9)
W 213	Artificial or Unknown found in <213> in SEQ ID (10)
W 213	Artificial or Unknown found in <213> in SEQ ID (11)
W 213	Artificial or Unknown found in <213> in SEQ ID (12)
W 402	Undefined organism found in <213> in SEQ ID (15)
W 402	Undefined organism found in <213> in SEQ ID (17)
W 402	Undefined organism found in <213> in SEQ ID (19)
W 402	Undefined organism found in <213> in SEQ ID (20)
W 402	Undefined organism found in <213> in SEQ ID (21)
W 402	Undefined organism found in <213> in SEQ ID (22)
W 402	Undefined organism found in <213> in SEQ ID (23)
W 402	Undefined organism found in <213> in SEQ ID (24)
W 213	Artificial or Unknown found in <213> in SEQ ID (25)
W 402	Undefined organism found in <213> in SEQ ID (27)
W 402	Undefined organism found in <213> in SEQ ID (28)
W 402	Undefined organism found in <213> in SEQ ID (29)

Input Set:

Output Set:

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Error code	Error Description
W 402	Undefined organism found in <213> in SEQ ID (30)
W 402	Undefined organism found in <213> in SEQ ID (31)

<210> 1
<211> 30
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 1

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
20 25 30

<210> 2
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 2

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10

<210> 3
<211> 203
<212> PRT
<213> Ictalurus punctatus

<400> 3

Met Ser Ala Gln Ala Glu Glu Thr Ala Pro Glu Ala Ala Ala Pro Val
1 5 10 15

Gln Pro Ser Gln Pro Ala Ala Lys Lys Lys Gly Pro Ala Ser Lys Ala
20 25 30

Lys Pro Ala Ser Ala Glu Lys Lys Asn Lys Lys Lys Lys Gly Lys Gly
35 40 45

Pro Gly Lys Tyr Ser Gln Leu Val Ile Asn Ala Ile Gln Thr Leu Gly
50 55 60

Glu Arg Asn Gly Ser Ser Leu Phe Lys Ile Tyr Asn Glu Ala Lys Lys
65 70 75 80

Val Asn Trp Phe Asp Gln Gln His Gly Arg Val Tyr Leu Arg Tyr Ser
85 90 95

Ile Arg Ala Leu Leu Gln Asn Asp Thr Leu Val Gln Val Lys Gly Leu
100 105 110

Gly Ala Asn Gly Ser Phe Lys Leu Asn Lys Lys Lys Phe Ile Pro Arg
115 120 125

Thr Lys Lys Ser Ser Val Lys Pro Arg Lys Thr Ala Lys Pro Thr Lys
130 135 140

Lys Pro Ala Lys Lys Ala Ala Lys Lys Lys Lys Arg Val Ser Gly Val
145 150 155 160

Lys Lys Ala Thr Pro Pro Pro Glu Lys Thr Ser Lys Pro Lys Lys Ala
165 170 175

Asp Lys Ser Pro Ala Val Ser Ala Lys Lys Ala Ser Lys Pro Lys Lys
180 185 190

Ala Lys Gln Thr Lys Lys Thr Ala Lys Lys Thr
195 200

<210> 4

<211> 956

<212> DNA

<213> Ictalurus punctatus

<400> 4

cggcacgagg gttcaatagc atctcaaggc gtttcagaac ttaaagttga accatgtctg 60

ctcaggctga ggaaactgca ccagaagcag cagcaccagt acaaccatca caaccagcgg 120

ccaaaaagaa gggacccgcc agtaaagcaa agcctgcctc tgcagaaaaa aagaacaaaa 180

agaagaaagg gaaagggccc ggaaagtaca gccagctggg gatcaatgct atccaaacgc 240

tgggagagag aaacggctcg tctcttttta agatctacaa cgaggcgaag aaagtgaact 300

ggtttgacca gcagcacggg cgcgtgtacc tccgtactc catccgcggg ctgctgcaga 360

acgacacgct cgtgcagggtg aaggggtctgg gcgccaacgg ctcttcaag ctcaacaaaa 420

agaagttcat cccagaacc aagaagagct ctgtaaagcc gagaaagact gcgaaaccga 480

ccaaaaagcc agccaaaaaa gcagcgaaga agaagaaaag ggtcagcggc gtgaagaagg 540

cgactcccc ccagagaaa acctccaaac ccaagaaagc ggataaaagt ccagccgtct 600

ctgccaagaa ggcgagcaag cccaagaaag ctaaacagac aaaaaagact gctaagaaga 660

cttaaaacgt ttatattctg catgctttgt gcattaagca ttgcactgcg ggtaaactgc 720

acgctttctg atcgagttc attaatgtagg atatgcacag tgtttaacca agtgtgcaag 780

tcactctggt ctcaatgttt tactgatgta accacatgta aataactgta caaagaagga 840

aacaatcact ttgtaacgt ctgctttgtt attatttctt ttctactagt tagctaaaat 900

aactgcttat ggcttctttt aaaataaaat gataaaagaa aaaaaaaaaa aaaaaa 956

<210> 5

<211> 956

<212> DNA

<213> Ictalurus punctatus

<220>

<221> CDS

<222> (54)..(662)

<223> ncamp-1 nucleic acid and protein sequence

<400> 5

cggcagcagg gttcaatagc atctcaaggc gcttcagaac ttaaagttga acc atg 56
Met
1

tct gct cag gct gag gaa act gca cca gaa gca gca gca cca gta caa 104
Ser Ala Gln Ala Glu Glu Thr Ala Pro Glu Ala Ala Ala Pro Val Gln
5 10 15

cca tca caa cca gcg gcc aaa aag aag gga ccc gcc agt aaa gca aag 152
Pro Ser Gln Pro Ala Ala Lys Lys Lys Gly Pro Ala Ser Lys Ala Lys
20 25 30

cct gcc tct gca gaa aaa aag aac aaa aag aag aaa ggg aaa ggg ccc 200
Pro Ala Ser Ala Glu Lys Lys Asn Lys Lys Lys Lys Gly Lys Gly Pro
35 40 45

gga aag tac agc cag ctg gtg atc aat gct atc caa acg ctg gga gag 248
Gly Lys Tyr Ser Gln Leu Val Ile Asn Ala Ile Gln Thr Leu Gly Glu
50 55 60 65

aga aac ggc tcg tct ctt ttt aag atc tac aac gag gcg aag aaa gtg 296
Arg Asn Gly Ser Ser Leu Phe Lys Ile Tyr Asn Glu Ala Lys Lys Val
70 75 80

aac tgg ttt gac cag cag cac ggg cgc gtg tac ctc cgc tac tcc atc 344
Asn Trp Phe Asp Gln Gln His Gly Arg Val Tyr Leu Arg Tyr Ser Ile
85 90 95

cgc gcg ctg ctg cag aac gac acg ctc gtg cag gtg aag ggt ctg ggc 392

Arg Ala Leu Leu Gln Asn Asp Thr Leu Val Gln Val Lys Gly Leu Gly
 100 105 110

 gcc aac ggc tcc ttc aag ctc aac aaa aag aag ttc atc ccc aga acc 440
 Ala Asn Gly Ser Phe Lys Leu Asn Lys Lys Lys Phe Ile Pro Arg Thr
 115 120 125

 aag aag agc tct gta aag ccg aga aag act gcg aaa ccg acc aaa aag 488
 Lys Lys Ser Ser Val Lys Pro Arg Lys Thr Ala Lys Pro Thr Lys Lys
 130 135 140 145

 cca gcc aaa aaa gca gcg aag aag aag aaa agg gtc agc ggc gtg aag 536
 Pro Ala Lys Lys Ala Ala Lys Lys Lys Lys Arg Val Ser Gly Val Lys
 150 155 160

 aag gcg act ccc ccc cca gag aaa acc tcc aaa ccc aag aaa gcg gat 584
 Lys Ala Thr Pro Pro Pro Glu Lys Thr Ser Lys Pro Lys Lys Ala Asp
 165 170 175

 aaa agt cca gcc gtc tct gcc aag aag gcg agc aag ccc aag aaa gct 632
 Lys Ser Pro Ala Val Ser Ala Lys Lys Ala Ser Lys Pro Lys Lys Ala
 180 185 190

 aaa cag aca aaa aag act gct aag aag act taaaacgttt atattctgca 682
 Lys Gln Thr Lys Lys Thr Ala Lys Lys Thr
 195 200

 tgctttgtgc attaagcatt gcactgcggg taaactgcac gctttctgat cgcagttcat 742

 taagtaggat atgcacagtg tttaaccaag tgtgcaagtc actctggtct caatgtttta 802

 ctgatgtaac cacatgtaaa taactgtaca aagaaggaaa caatcacttt tgtaacgtct 862

 gctttgttat tatttctttt ctactagtta gctaaaataa ctgcttatgg cttcttttaa 922

 aataaaatga taaaagaaaa aaaaaaaaaa aaaa 956

<210> 6
 <211> 203
 <212> PRT
 <213> Ictalurus punctatus

<400> 6

Met Ser Ala Gln Ala Glu Glu Thr Ala Pro Glu Ala Ala Ala Pro Val
 1 5 10 15

Gln Pro Ser Gln Pro Ala Ala Lys Lys Lys Gly Pro Ala Ser Lys Ala
 20 25 30

Lys Pro Ala Ser Ala Glu Lys Lys Asn Lys Lys Lys Lys Gly Lys Gly
 35 40 45

Pro Gly Lys Tyr Ser Gln Leu Val Ile Asn Ala Ile Gln Thr Leu Gly
50 55 60

Glu Arg Asn Gly Ser Ser Leu Phe Lys Ile Tyr Asn Glu Ala Lys Lys
65 70 75 80

Val Asn Trp Phe Asp Gln Gln His Gly Arg Val Tyr Leu Arg Tyr Ser
85 90 95

Ile Arg Ala Leu Leu Gln Asn Asp Thr Leu Val Gln Val Lys Gly Leu
100 105 110

Gly Ala Asn Gly Ser Phe Lys Leu Asn Lys Lys Lys Phe Ile Pro Arg
115 120 125

Thr Lys Lys Ser Ser Val Lys Pro Arg Lys Thr Ala Lys Pro Thr Lys
130 135 140

Lys Pro Ala Lys Lys Ala Ala Lys Lys Lys Lys Arg Val Ser Gly Val
145 150 155 160

Lys Lys Ala Thr Pro Pro Pro Glu Lys Thr Ser Lys Pro Lys Lys Ala
165 170 175

Asp Lys Ser Pro Ala Val Ser Ala Lys Lys Ala Ser Lys Pro Lys Lys
180 185 190

Ala Lys Gln Thr Lys Lys Thr Ala Lys Lys Thr
195 200

<210> 7
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 7

Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly Gly
1 5 10 15

Gly Gly Gly Gly
20

<210> 8
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 8

Thr Cys Gly Thr Cys Gly Thr Thr Gly Thr Cys Gly Thr Thr Gly Thr
1 5 10 15

Cys Gly Thr Thr
20

<210> 9
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 9

Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys Cys
1 5 10 15

Cys Cys Cys Cys
20

<210> 10
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 10

Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala Ala
1 5 10 15

Ala Ala Ala Ala
20

<210> 11
<211> 20

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 11

Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr Thr
1 5 10 15

Thr Thr Thr Thr
20

<210> 12
<211> 20
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic Peptide

<400> 12

Thr Gly Cys Thr Gly Cys Thr Thr Gly Thr Gly Cys Thr Thr Gly Thr
1 5 10 15

Gly Cys Thr Thr
20

<210> 13
<211> 192
<212> PRT
<213> Danio rerio

<400> 13

Met Pro Ala Val Val Glu Glu Ser Ala Pro Ala Pro Ala Pro Ala Pro
1 5 10 15

Ala Glu Lys Lys Ala Lys Pro Ala Val Ala Ala Ser Pro Ala Lys Lys
20 25 30

Lys Lys Lys Lys Ser Lys Gly Pro Gly Lys Tyr Ser Lys Leu Val Thr
35 40 45

Asp Ala Ile Arg Thr Leu Gly Glu Lys Asn Gly Ser Ser Leu Phe Lys
50 55 60

Ile Tyr Asn Glu Ala Lys Lys Val Ser Trp Phe Asp Gln Lys Asn Gly
65 70 75 80

Arg Met Tyr Leu Arg Ala Ser Ile Arg Ala Leu Val Leu Asn Asp Thr
85 90 95

Leu Val Gln Val Lys Gly Phe Gly Ala Asn Gly Ser Phe Lys Leu Asn
100 105 110

Lys Lys Lys Leu Glu Lys Lys Pro Lys Lys Ala Ala Ser Lys Lys Ala
115 120 125

Thr Lys Lys Thr Glu Lys Pro Thr Ser Lys Lys Ala Val Thr Lys Lys
130 135 140

Val Ser Ala Lys Lys Ser Ala Lys Lys Ser Pro Val Lys Lys Lys Thr
145 150 155 160

Pro Lys Lys Thr Ser Val Lys Lys Ala Thr Ala Lys Pro Lys Lys Thr
165 170 175

Ala Ser Lys Lys Pro Lys Ala Ala Ala Lys Lys Lys Thr Lys Ser Lys
180 185 190

<210> 14
<211> 217
<212> PRT
<213> *Xenopus laevis*

<400> 14

Met Ala Leu Glu Leu Glu Glu Asn Leu His Ser Thr Glu Glu Glu Asp
1 5 10 15

Glu Glu Glu Glu Glu Glu Gly Asp Glu Met Arg Ser Arg Ser Thr
20 25 30

Arg Asn Lys Gly Gly Ala Ala Ser Ser Ser Gly Asn Lys Lys Lys Lys
35 40 45

Lys Lys Lys Asn Gln Pro Gly Arg Tyr Ser Gln Leu Val Val Asp Thr
50 55 60

Ile Arg Lys Leu Gly Glu Arg Asn Gly Ser Ser Leu Ala Lys Ile Tyr
65 70 75 80

Ser Glu Ala Lys Lys Val Ser Trp Phe Asp Gln Gln Asn Gly Arg Thr
85 90 95

Tyr Leu Lys Tyr Ser Ile Lys Ala Leu Val Gln Asn Asp Thr Leu Leu
100 105 110

Gln Val Lys Gly Val Gly Ala Asn Gly Ser Phe Arg Leu Asn Lys Lys
115 120 125

Lys Leu Glu Gly Leu Pro Tyr Asp Lys Lys Pro Pro Pro Ala Lys Pro
130 135 140

Ser Ser Ser Ser Ser Ser Asn Lys Lys Gln Gln Gln Gly Pro Ser Ser
145 150 155 160

Ser Pro Ser Lys Ser His Lys Lys Ala Lys Pro Lys Ala Lys Ala Glu
165 170 175

Lys Glu Lys Pro Lys Thr Ser Ser Ala Lys Ala Lys Ser Pro Lys Lys
180 185 190

Ser Ala Ala Lys Gly Lys Lys Met Lys Lys Gly Ala Lys Pro Ser Val
195 200 205

Arg Lys Ala Pro Lys Ser Lys Lys Ala
210 215

<210> 15
<211> 188
<212> PRT
<213> Mus

<400> 15

Met Ser Val Glu Leu Glu Glu Ala Leu Pro Pro Thr Ser Ala Asp Gly
1 5 10 15

Thr Ala Arg Lys Thr Ala Lys Ala Gly Gly Ser Ala Ala Pro Thr Gln
20 25 30

Pro Lys Arg Arg Lys Asn Arg Lys Lys Asn Gln Pro Gly Lys Tyr Ser
35 40 45

Gln Leu Val Val Glu Thr Ile Arg Lys Leu Gly Glu Arg Gly Gly Ser
50 55 60

Ser Leu Ala Arg Ile Tyr Ala Glu Ala Arg Lys Val Ala Trp Phe Asp
65 70 75 80

Gln Gln Asn Gly Arg Thr Tyr Leu Lys Tyr Ser Ile Arg Ala Leu Val
85 90 95

Gln Asn Asp Thr Leu Leu Gln Val Lys Gly Thr Gly Ala Asn Gly Ser
100 105 110

Phe Lys Leu Asn Arg Lys Lys Leu Glu Gly Gly Ala Glu Arg Arg Gly
115 120 125

Ala Ser Ala Ala Ser Ser Pro Ala Pro Lys Ala Arg Thr Ala Ala Ala
130 135 140

Asp Arg Thr Pro Ala Arg Pro Gln Pro Glu Arg Arg Ala His Lys Ser
145 150 155 160

Lys Lys Ala Ala Ala Ala Ala Ser Ala Lys Lys Val Lys Lys Ala Ala
165 170 175

Lys Pro Ser Val Pro Lys Val Pro Lys Gly Arg Lys
180 185

<210> 16
<211> 213
<212> PRT
<213> Homo sapiens

<400> 16

Met Ser Val Glu Leu Glu Glu Ala Leu Pro Val Thr Thr Ala Glu Gly
1 5 10 15

Met Ala Lys Lys Val Thr Lys Ala Gly Gly Ser Ala Ala Leu Ser Pro
20 25 30

Ser Lys Lys Arg Lys Asn Ser Lys Lys Lys Asn Gln Pro Gly Lys Tyr
35 40 45

Ser Gln Leu Val Val Glu Thr Ile Arg Arg Leu Gly Glu Arg Asn Gly
50 55 60

Ser Ser Leu Ala Lys Ile Tyr Thr Glu Ala Lys Lys Val Pro Trp Phe
65 70 75 80

Asp Gln Gln Asn Gly Arg Thr Tyr Leu Lys Tyr Ser Ile Lys Ala Leu
85 90 95

Val Gln Asn Asp Thr Leu Leu Gln Val Lys Gly Thr Gly Ala Asn Gly
100 105 110

Ser Phe Lys Leu Asn Arg Lys Lys Leu Glu Gly Gly Gly Glu Arg Arg
115 120 125

Gly Ala Pro Ala Ala Ala Thr Ala Pro Ala Pro Thr Ala His Lys Ala
130